

ABSTRACT

An inflatable water sports board, including two parallel adjacent flexible panels. The panels have a front portion parallel to the rest of each panel. The panels also have perimeters connected by a sidewall adherent to the perimeters all the way around the perimeters, enclosing an air chamber. The distance separating the panels is upwardly limited by drop stitches between the panels throughout the air chamber. An inflation port is installed in one of the panels. When the board is inflated, air pressure in the air chamber pushes the panels outward, against the restraint of the stitching, rigidifying the panels sufficiently to support an adult human, while maintaining a shape suitable for use in surfing. The surface of the inflated board remains sufficiently elastic to be unlikely to cause injury by impact. The board may include an attached leash with bracelet for retention. When deflated, the flexibility of the panels allows the board to be rolled up or folded for easy transport or storage. The board may also include a window, fins, water-cutting edges, handles, UV-protective coating, pouches, or gas canister. The board may be in the style of a shorter body board or a longer surfboard.

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Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

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